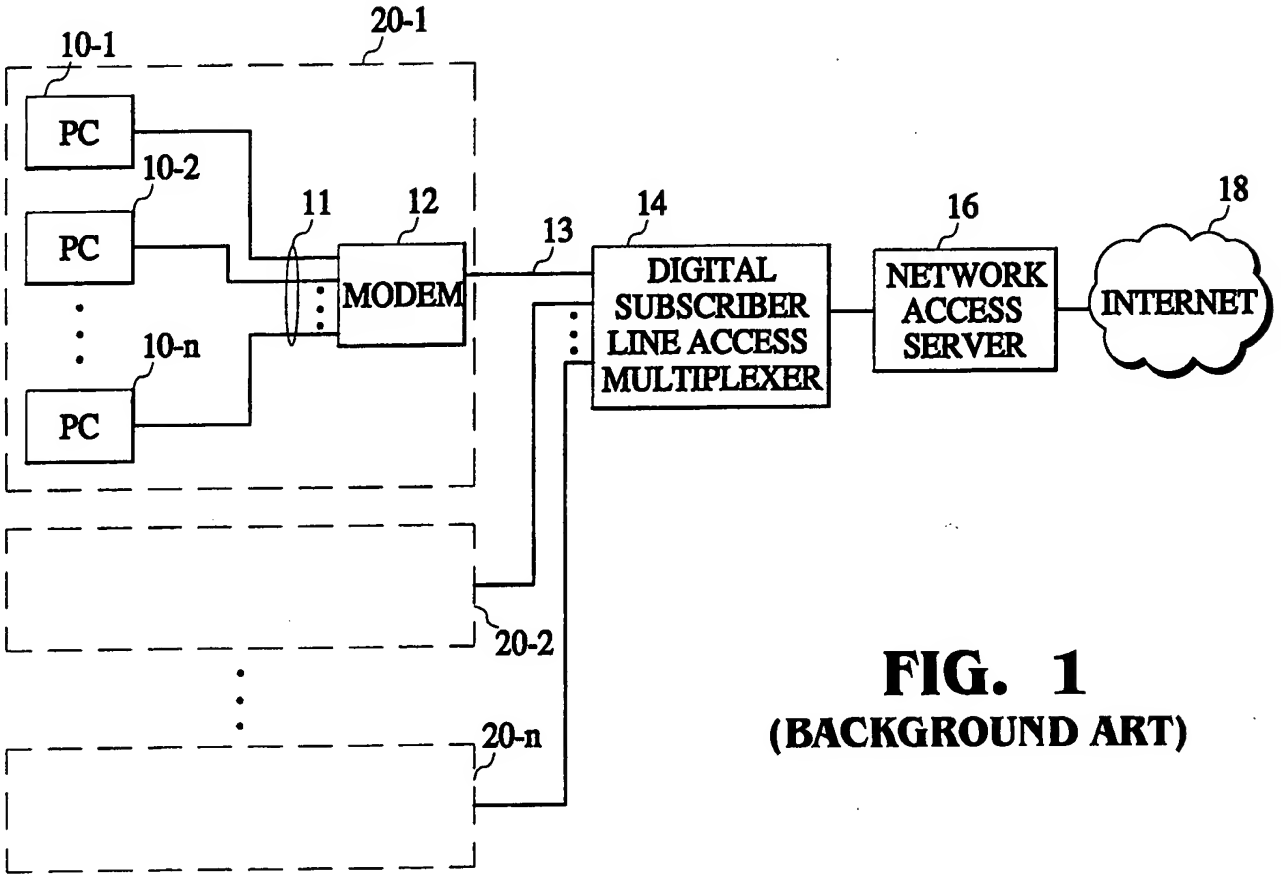
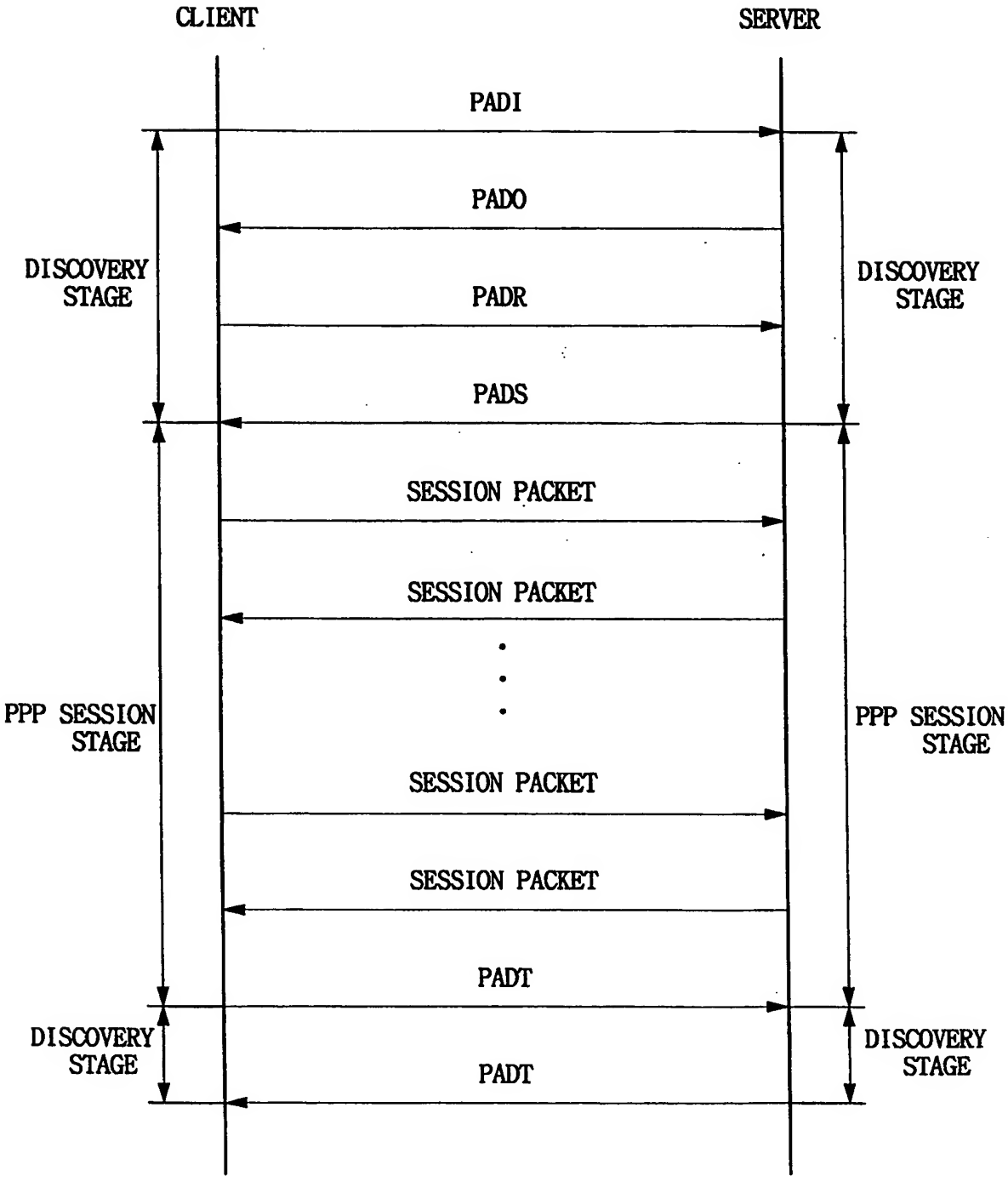
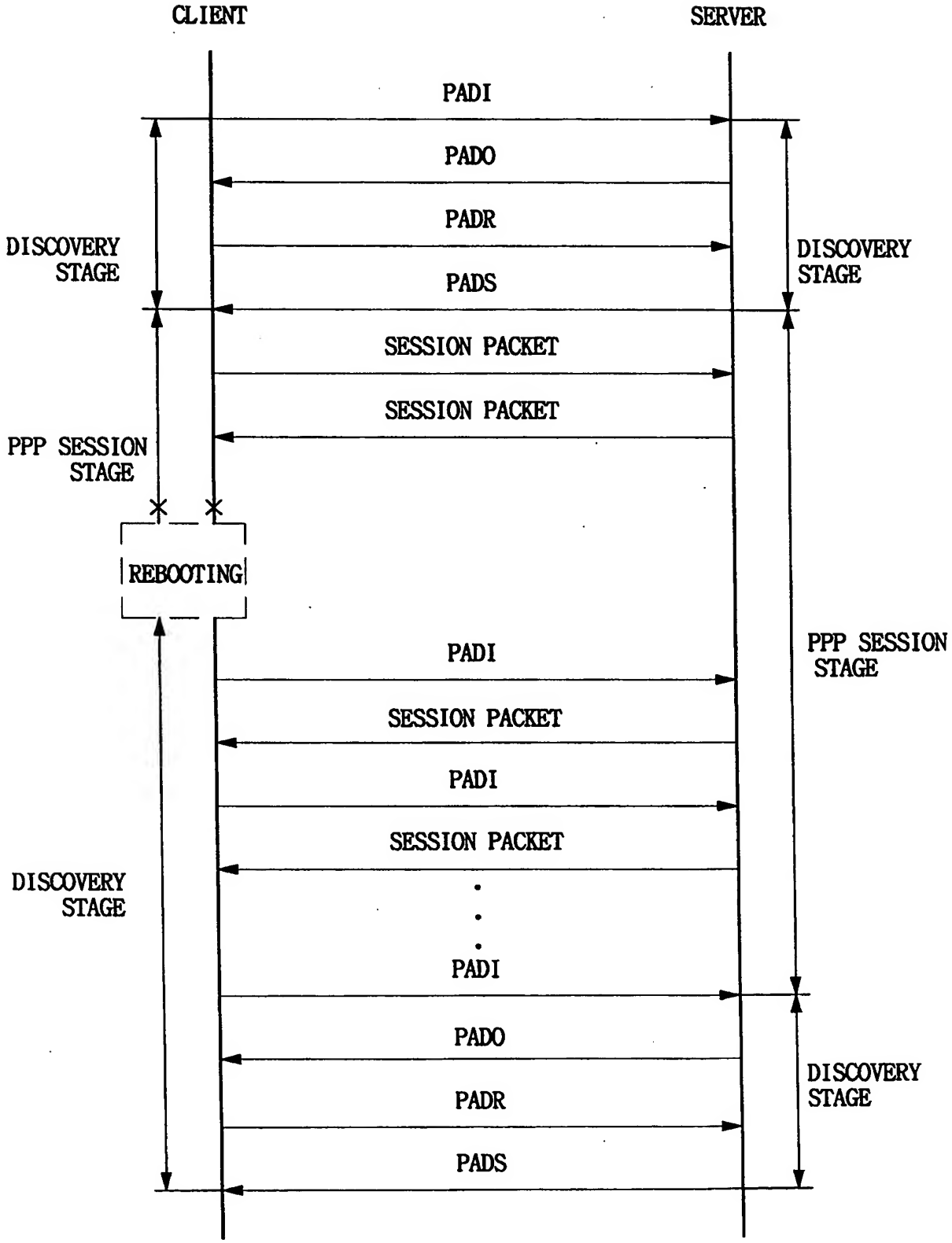


FIG. 1
(BACKGROUND ART)



(BACKGROUND ART)

FIG 2



(BACKGROUND ART)

FIG 3

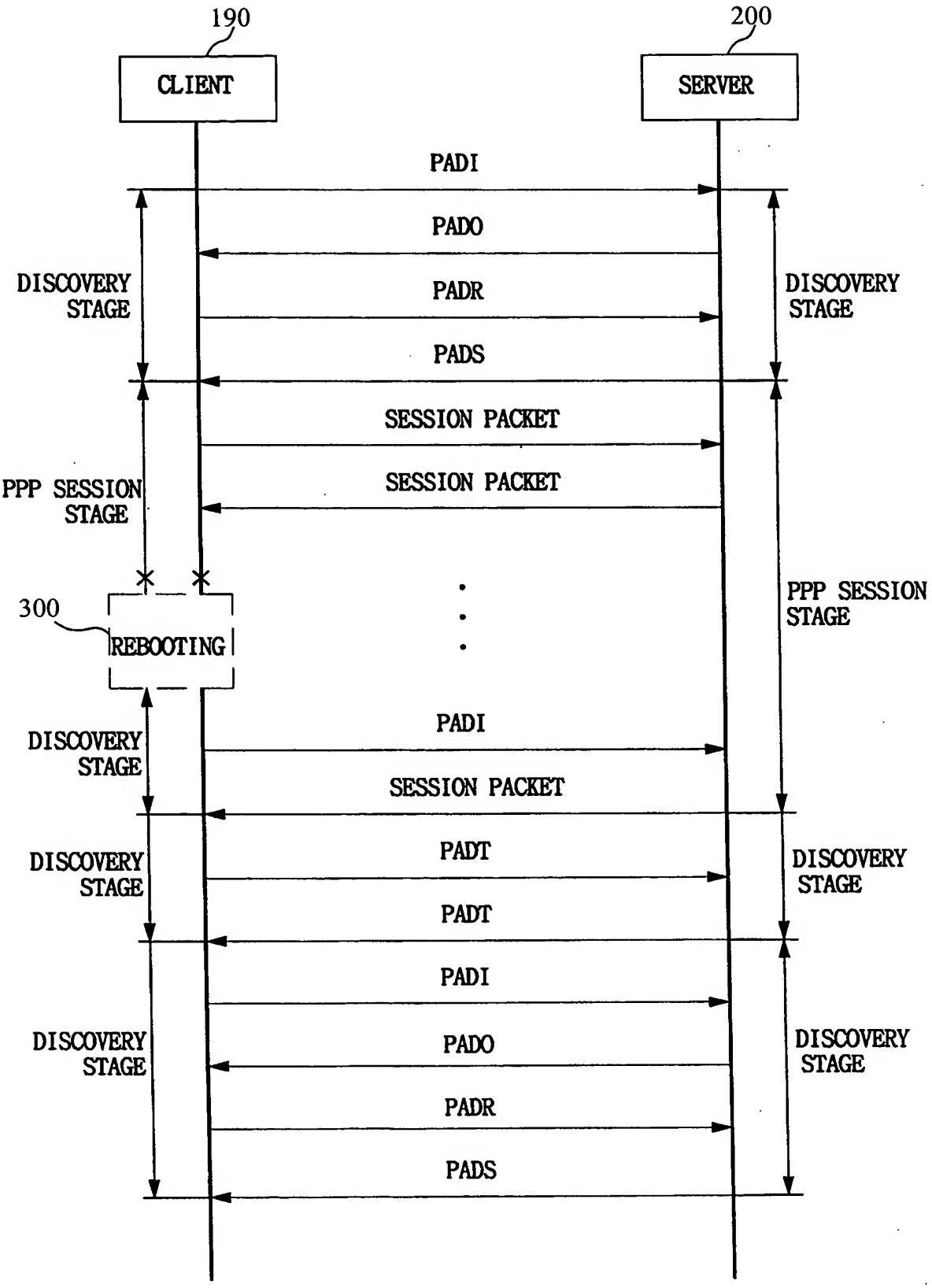
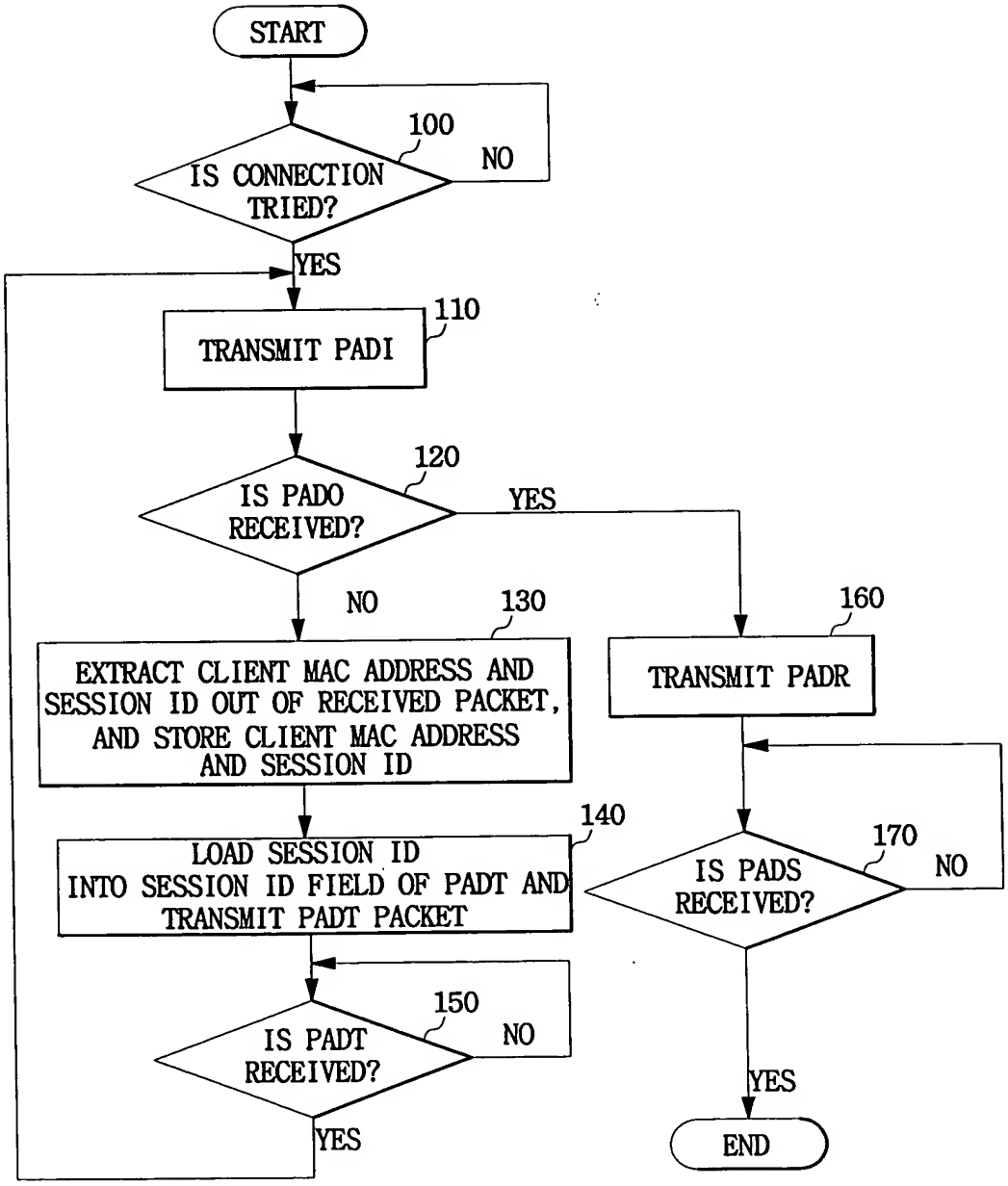

190
200
CLIENT
SERVER
PADI
PADO
PADR
PADS
DISCOVERY STAGE
DISCOVERY STAGE
SESSION PACKET
SESSION PACKET
PPP SESSION STAGE
PPP SESSION STAGE
300
REBOOTING
PADI
SESSION PACKET
DISCOVERY STAGE
PADT
PADT
DISCOVERY STAGE
DISCOVERY STAGE
PADI
PADO
PADR
PADS
DISCOVERY STAGE

FIG 4

FIG. 5


START
100
IS CONNECTION TRIED?
NO
YES
110
TRANSMIT PADI
120
IS PADO RECEIVED?
YES
NO
130
EXTRACT CLIENT MAC ADDRESS AND SESSION ID OUT OF RECEIVED PACKET, AND STORE CLIENT MAC ADDRESS AND SESSION ID
140
LOAD SESSION ID INTO SESSION ID FIELD OF PADT AND TRANSMIT PADT PACKET
150
IS PADT RECEIVED?
NO
YES
160
TRANSMIT PADR
170
IS PADS RECEIVED?
NO
YES
END

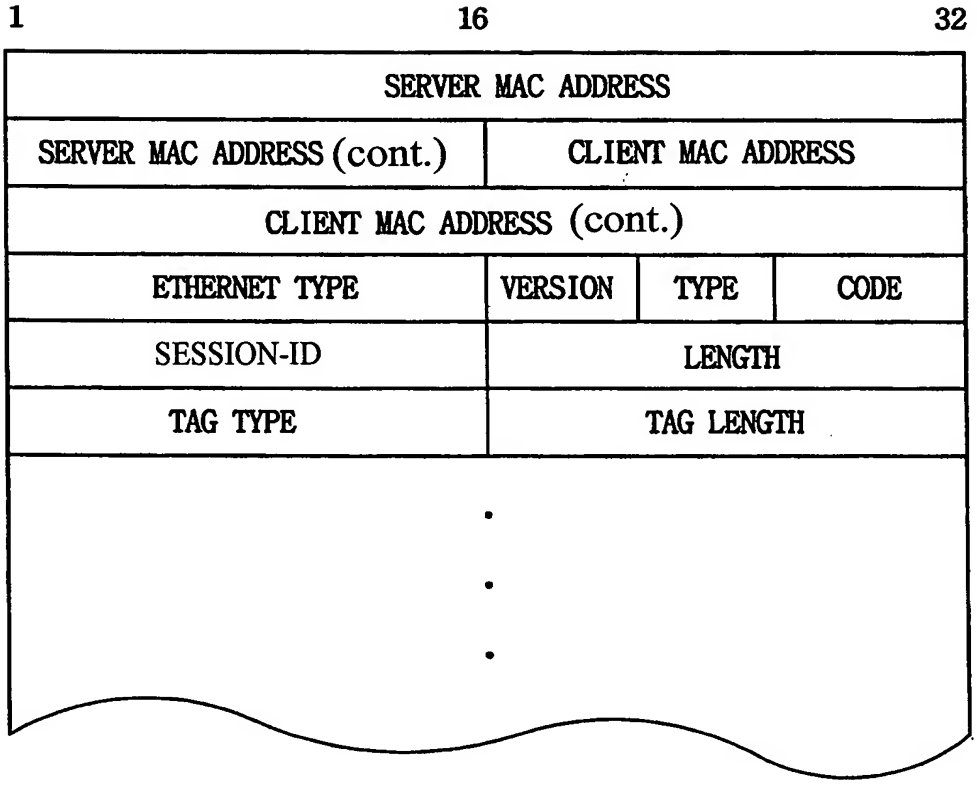

1
16
32
SERVER MAC ADDRESS
SERVER MAC ADDRESS (cont.)
CLIENT MAC ADDRESS
CLIENT MAC ADDRESS (cont.)
ETHERNET TYPE
VERSION
TYPE
CODE
SESSION-ID
LENGTH
TAG TYPE
TAG LENGTH

FIG. 6

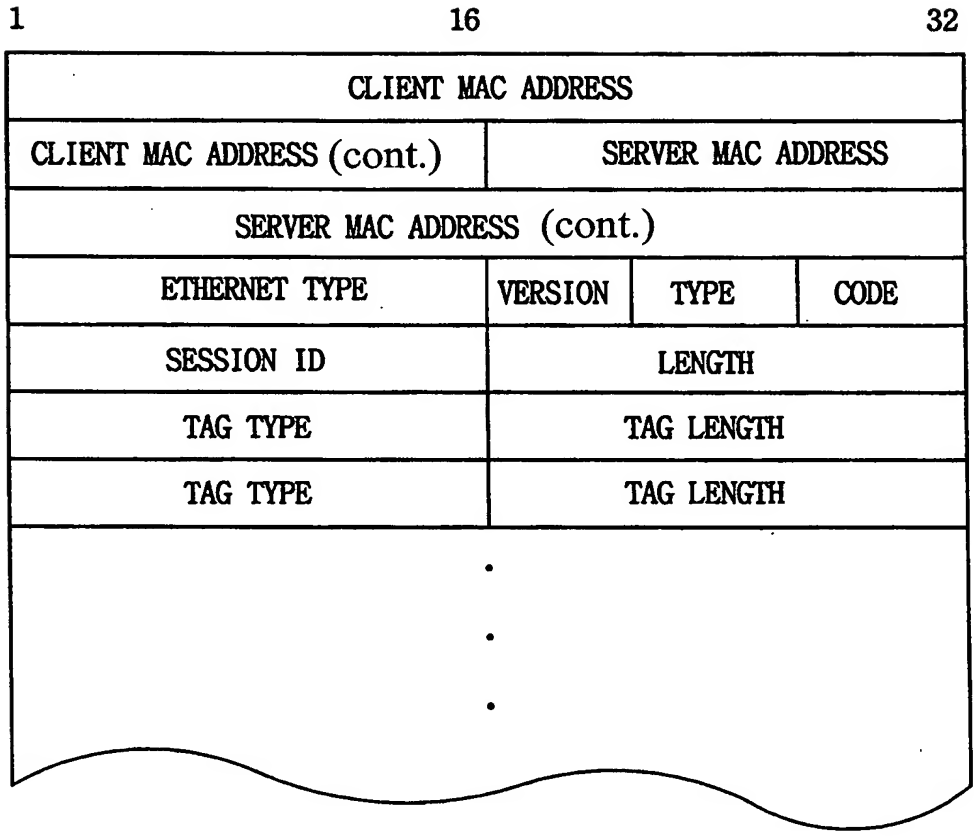

1
16
32
CLIENT MAC ADDRESS
CLIENT MAC ADDRESS (cont.)
SERVER MAC ADDRESS
SERVER MAC ADDRESS (cont.)
ETHERNET TYPE
VERSION
TYPE
CODE
SESSION ID
LENGTH
TAG TYPE
TAG LENGTH
TAG TYPE
TAG LENGTH

FIG. 7